

From: [REDACTED]
To: keawakapu.comments@yahoo.com;
Date: Wed, March 31, 2010 12:36:50 PM
Cc:
Subject: Artificial Reef

Aloha,

I attended last nights Maui meeting. I also provided boat support to Maui DAR for the pre-deployment survey and Also for the deployment. If you are interested in any constructive criticism from someone who was actually there during both the survey and deployment, simply acknowledge this email and ask for my observations and opinions.

I am interested in helping with future protocols for artificial reef deployments. I'm just not sold that anyone at DLNR is actually reading these emails or really cares what Maui thinks. In my humble opinion, the meeting last night still appeared to be nothing more than a publicity stunt. Please help change my cynical opinion of the Hawaii DLNR.

Terry Hunt

From: [REDACTED]
To: keawakapu.comments@yahoo.com;
Date: Fri, April 23, 2010 12:02:16 PM
Cc:
Subject: Re: Artificial Reef

Hey Russell,

OK, here goes...

I'm sure that should the art reef program ever get re-established there will be an EIS performed prior to deployment. Pre-deployment protocols for barge deployments of modules should include: 1) Only perform surveys on calm days with no small craft advisory. 2) underwater survey performed in all directions from the deployment marker up to 1.25X the length of the deployment barge for every 10 feet of depth when deploying from the sides of barge.

During Deployment: 1) realistically, the barge cannot be anchored as the modules could very easily cover the anchor. So, COMMUNICATION; one DLNR rep in the tug with tug captain. One DLNR rep in observation vessel and in communication with DLNR rep on tug. DLNR reps are also able to communicate with barge boss. The goal here is to keep the tug/barge on target at all times during deployment and be able to stop deployment should tug/barge slip position.

2) once 10% of modules deployed, all deployment stops while DLNR dive team evaluates the underwater deployment. Once the DLNR dive team approves the array, the deployment continues until finished.

Also, Z modules being shaped like wings, do like to take flight underwater. There needs to be a better design for modules or better yet, modules that are specifically designed for fish habitat and constructed with ph balanced concrete to match ocean water (8.4?) and pitted to give corals a better foot hold. This of course would mean smaller better managed deployments.

Last Comment: GET ALL MODULES OFF THE REEF AS SOON AS POSSIBLE.

As always, I'm willing to help in any capacity. I emailed Laura Thielan and copied you, Skippy and Paul just one week after the deployment and offered to remove all modules on the reef. We have the professional level divers, we have the lift bags and we have the work boat with 5 ton crane capacity all here on Maui just waiting for the OK to go to work.

Aloha,

Terry Hunt

From: Harry Parrell [REDACTED]
To: keawakapu.comments@yahoo.com;
Date: Thu, April 8, 2010 3:20:53 PM
Cc:
Subject: Artificial reef incident Dec. 2/2009

This question was never answered during the 3/30/2010 meeting.

- 1) How long would it take the coral to recover if the blocks were not removed?
- 2) How long would it take the coral to recover if the worst blocks were removed?
- 3) How long would it take the coral to recover if ALL the blocks were removed?

Regards Harry Parrell

From: Jim Walsh [REDACTED]
To: keawakapu.comments@yahoo.com;
Date: Thu, April 1, 2010 4:14:32 PM
Cc:
Subject: Comments

Aloha All,

Unfortunately I was unable to attend the meeting on March 20th as I was traveling with family on the mainland. I have worked to deploy various types of artificial reefs over the years in Grand Cayman Islands, BWI, Santa Barbara California, and also here on Maui. Obviously, the bigger the intended reef project the bigger the risk. Deploying concrete slabs, or the sinking of vessels is not an exact science and is not easy. While the mishap at the Keawakapu site is a tragedy, I realize that it was done with the best interest of the reef, and residents of Maui in mind. I believe that the facts regarding artificial reefs speak for themselves, they are beneficial to the creation of habitat, which in turn is the basis for life on the reef. I certainly don't want to blast anybody for the incident in question, but I would like to encourage the state to not stop doing the right thing because of this incident.

Atlantis Maui has an approved artificial reef location off of Lahaina, and we would hate to see the development of that site halted, just because of this issue. I would encourage the department to review the process of deployment to review what went right, and what went wrong (which I am already confident that you are doing). As far as what the department can do as "reimbursement" to the community, I have the following suggestions:

- Continue to work with Malama Kai on the Day Use Mooring program. The moorings need funding, and an expedited process to get through the state & federal bureaucracy.
- Consider underwater attractions as well as artificial reefs. My distinction of the two would be that underwater attractions would be of a "non consumptive" nature - viewing only, no take; and artificial reefs would be for fisherman as a "consumptive" location.
- Expand the recreational fishing regulations to more species. Review bag and size limits as well.
- Perhaps impose a fishing license annual fee that would go toward a special fund for artificial reefs. Florida has a very progressive outlook on the a public/private partnership in the development and funding for artificial reefs. Use that as model.
- Expand the Dingle Johnson Fund to include artificial reef funding (there should be many different funding sources for artificial reef development from federal, state & private sectors. We all need to work together.
- Work on a standardized permitting process of the development of artificial reefs with the private sector. There needs to be a more structured process for moving through the process of establishing an artificial reef; for example the head of the artificial reef program is in DAR, but you almost have no involvement with DAR as an applicant, you almost exclusively work through Conservation and Coastal Lands. Again, standardize the process.
- Increase the number of MLCD's or establish "replenishment zones" - where the animals have a chance to recover, grow and move out to neighboring areas.

Some of these suggestions will not take any money, it's more of a legislative or rule making avenue, other suggestion will take funding. I believe there to be many like minded individuals out there that would be willing to support good public/private partnerships in order to continue to establish proper artificial reefs state wide. Again, I would hope and ask that the state will not consider a moratorium on artificial reefs, they are good additions to increase habitat, which promote increase coral growth as well as give the fish increased habitat to live on.

Thank you for your time,

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Jim Walsh
General Manager
Atlantis Adventures ~ Maui

[REDACTED]
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[REDACTED]
[REDACTED]

From: Stephen Juarez [REDACTED]
To: keawakapu.comments@yahoo.com;
Date: Wed, March 31, 2010 3:43:11 PM
Cc: Laura.Thielen@hawaii.gov;
Subject: Re-positioning modules

Aloha! As a dive shop owner, current Dive Instructor, USCG licensed Captain, avid diver, and a resident of Maui for over 25 years Thank You for trying to enhance our artificial reef. Artificial reefs help take some of the diving and snorkeling pressure off of other locations and provide much needed habitat for our declining fish populations. It is a tragedy that in the process of improving a great dive destination and reef habitat that some coral got damaged in the process. I motored over a 60' steel fishing trawler the Pacific Maid from Humboldt Bay in Northern CA. in October last year for conversion to a Work/Research vessel that had sufficient range and capabilities to work any where in HI or the North West Hawaiian Islands. We have been doing the dive calibration and Maintenance for NOAA on the MOBY Buoy off the back side of Lanai for over 10 years and recently got the bid for FAD deployments from Warren over at UH. The boat has been extensively updated and fitted for doing heavy commercial work with a 1.5 ton knuckle boom crane installed on the deck and a huge 17'x10'A-frame over the stern of the boat with a 10 and 8 ton winches on her boom with new ½ wire cable on the winch drums. I have been involved in a number of projects to protect out reefs and was trained as a volunteer for Malama Kai Foundation to do mooring installations and have done several on Lanai and at Molokini over the years. At HIRSA (Hawaiian Islands Recreations Scuba Association) Industry Day in Feb. over in Oahu Malama Kai Foundation and Emma Anders from DLNR Aquatics Division did a presentation and update for the current status of the Day Use Mooring Program and the permit for the proposed new day use moorings. It was decided at this meeting that nobody had been trained by Malama Kai for mooring installations over on Kauai and because of this there were 5 permitted moorings that had never been installed. Teri and Jeff Leicher from Jack's Diving Locker agreed to go over to Kauai and do the training and help with the installs if we would take the Pacific Maid over to Kauai with all the equipment and provide a working platform for the installs. HIRSA has been a great venue for bringing dive operators together and working on projects to benefit HI as well as our own operations and we have agreed to load up all the mooring supplies and make the trip over to Kauai the end of April. The boat is based here in Lahaina and we would be willing to work with DLNR to move the modules that were chosen for removal from the reef and carefully place them where they would support the artificial reef already in place. We can minimize the damage with a prompt and appropriate response and careful placement of the modules. We have divers with voice communication capabilities and large lift bags with experience in moving big moorings and buoys and the right boat for the job, please feel free to contact us if we

can be of help.
Thanks

Steve Juarez
Hawaiian Rafting Adventures Inc.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

From: Rene Umberger [REDACTED]
To: Laura.Thielen@hawaii.gov;
Date: Wed, March 31, 2010 8:49:53 AM
Cc: Russell.T.Sparks@hawaii.gov; keawakapu.comments@yahoo.com;
Subject: Thank You

Aloha Laura,

Thanks again for attending last night's meeting.
I really appreciate your openness and willingness to answer our questions.

Here are the questions I asked that have not yet been answered:

- 1) Why are you not proposing a CDUP / EIS for this "emergency restoration" effort, when it is clearly being triggered by all proposed actions?
- 2) Why did you not require a CDUP for the z-module deployment (especially if it was intentionally being dropped outside of the artificial reef zone)?
- 3) Why did you rely on an ancient EA for this deployment?
- 4) Why would you consider that adding to the Keawakapu art. reef is a non-conforming use, when the plan was to ADD and extend the area?
- 5) Did you intentionally plan on dropping those modules outside of the artificial reef zone?
- 6) Did your ACOE permit allow for a drop outside of the artificial reef zone?

More questions that I did not have a chance to ask, but are also important:

- 1) Why would you think that just one survey of the area to place buoy's would be sufficient?
- 2) Why did you not resurvey the area after finding the patch reef and moving the marker buoys?

Don Domingo told me that you all tried repeatedly and unsuccessfully to alert the barge captain that he was significantly off course.

- 3) Did you have an "abort operation" signal for this kind of emergency, and if so, why did you not use it?

Thanks for taking the time to provide answers to these questions.

Rene Umberger
Hawaii Reef Fish Recovery Project

From: Ed [REDACTED]

To: keawakapu.comments@yahoo.com; [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Date: Thu, March 18, 2010 4:21:24 PM

Cc:

Subject: reefs

We should get rid of waste that kills the reefs, like DLNR, who carry guns!!!